

What is claimed is:

1. An editing apparatus using a thumbnail image, comprising:

5 an image processing means for processing a broadcasting stream and an image signal to permit the processed broadcasting stream and image signal to be displayed;

a display means for displaying an image;

10 an image extracting means for extracting the thumbnail image of the recorded broadcasting stream;

a storing means for storing the broadcasting stream and the thumbnail image; and

15 a control means for allowing a plurality of thumbnail images displayed on the display means according to a user's control command and thereby allowing the broadcasting stream represented by the thumbnail image to be edited.

2. The editing apparatus of claim 1, wherein the thumbnail image is extracted at a predetermined time interval.

20 3. The editing apparatus of claim 1, wherein the thumbnail image is extracted at each scene change point.

25 4. The editing apparatus of claim 1, wherein the thumbnail image is extracted by using histogram information on

each frame of the broadcasting stream.

5 5. The editing apparatus of claim 1, wherein the editing
of the broadcasting stream is performed by deleting, storing and
moving the thumbnail image.

6. An editing method using a thumbnail image, comprising
the steps of:

10 extracting and storing the thumbnail image of a
broadcasting stream;

 'displaying a plurality of thumbnail images in response to a
user's request;

 editing the plurality of thumbnail images; and

15 editing a section of the broadcasting stream represented by
the plurality of thumbnail images.

20 7. The editing method of claim 6, wherein the extracting
step of the thumbnail image is performed while the broadcasting
stream is stored.

8. The editing method of claim 6, wherein the thumbnail
image is extracted at a predetermined interval while the
broadcasting stream is stored.

25 9. The editing method of claim 6, wherein the thumbnail

image is extracted by using histogram information on each frame of the broadcasting stream.

10. The editing method of claim 6, wherein the thumbnail
5 image is extracted at each scene change point.

11. The editing method of claim 6, wherein the editing of the thumbnail image is performed by a method deleting, moving and separately storing a part of the plurality of thumbnail images.

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12. The editing method of claim 6, wherein the editing of the broadcasting stream is performed concurrently with the editing of the thumbnail image.